

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-008451**Date Inspected:** 07-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:****Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Zhi Jiang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

BAY#14

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Components. The weld designations reviewed are as follows:

-(Seg1F-024, 025, 043, 044)

BAY#2

This QA inspector witnessed UT of weld join Seg2A-017, 018, 019, 020, 021 and 022.Seg2B-015, 016, 017, 018, 019, 020, 021 and 022. on segment 1AAE, performed by ZPMC Quality Control personnel. ZPMC QC found eight (8) rejectable indications.

Bay #2

This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG floor beam. The weld designations reviewed are as follows:

-(FB-024-009- 036~057, 111, 088, 093, 114)

Bay#14

WELDING INSPECTION REPORT

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This QA Inspector witnessed the grouting at segment 1AAW. The locations witnessed are designated is as below.
A27, A25, A24, A23, A20, A17, A06, A05

During in process random inspection of grouting of OBG Segment 1AAW, this Caltrans Quality Assurance (QA) Inspector discovered that the grouting at locations A17 and A20 without proper surface cleaning. Caltrans Quality Assurance (QA) Inspector found that the surface is not free from rust and debris. This QA Inspector generated TL015 Incident report for these indications.

Unless otherwise noted, all observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

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| Inspected By: | Patel,Hiranch | Quality Assurance Inspector |
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| Reviewed By: | Prue,Erik | QA Reviewer |
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